

Arya Lokesh Gowda

+1 (214)972-5529 | itsaryalg@gmail.com
<https://www.linkedin.com/in/arya-l-gowda>
<https://aryaalgl11.github.io/portfolio/>

Data-driven professional, deriving insights and enhancing processes through analytics. Seeking roles starting May 2025

EXPERIENCE

Intern- Data Analyst-I | *Nelnet* | Nebraska, USA

Aug 2024 – Present

- Automated pulling reports from **AWS** and updating ledgers on **Snowflake** for the finance department
- Formulated forecast reports and plans based on historical data for projecting a growth of revenue of 7%

Data Engineer | *Infosys* | Bangalore, India

Oct 2021 – Aug 2023

- Designed and optimized data models and data warehouses with 10M+ records, adhering to data governance frameworks, refining **BigQuery** and **Oracle SQL** operations, cutting costs by 23%
- Automated data cleaning, preprocessing, exploratory data analytics, data visualization, **ETL** pipelines and ControlM workflows via Jenkins to streamline daily file transfers
- Implemented AI/ML models for predictive analytics, boosting cluster matching by 30% and revenue by 2%

Data Analytics Intern | *Entuple Solutions* | Bangalore, India

Jun 2020 – Jan 2021

- Developed machine learning models, driving a 15% improvement in product performance and saving \$50,000 annually through cross-functional collaboration
- Crafted **Tableau** dashboards to communicate insights to both technical and non-technical stakeholders

PROJECTS as a part of Northeastern University

Covid-19 Vaccine Sentiment Analysis | *Twitter API, VADER, Time Series Analysis*

July 2024-Aug 2024

- Processed over 100K tweets on vaccines via Twitter API, achieving 85% classification accuracy with VADER
- Conducted time series analysis to correlate trends with vaccine-related events, providing insights into public sentiment and recommended targeted public health messaging strategies to increase vaccine acceptance

Instagram Reach Analysis | *Passive Aggressive Regressor, Seaborn, Statsmodels*

June 2024-July 2024

- Analyzed Instagram metrics (impressions, likes, comments, shares) to build a prediction model using Passive Aggressive Regressor, achieving 92.8% accuracy in forecasting impressions and driving follower growth
- Improved engagement strategies by identify key drivers for, optimizing conversion rates to 41%

Credit Card Fraud Detection System | *Autoencoders, Logistic Regression*

May 2024-June 2024

- Engineered transaction features, visualized class distributions and identified patterns to enhance process
- Implemented an Autoencoder for anomaly detection and Logistic Regression for supervised classification, also proposed ensemble methods and advanced feature engineering to optimize fraud detection with a focus on precision and recall

Fetal Health Classification System | *PySpark, scikit-learn, MLflow*

Jan 2024-April 2024

- Achieved 95% classification accuracy by processing 21 attributes and optimizing model performance with MinMaxScaler and ML techniques (Logistic Regression, Random Forest, SVM, k-NN, statistical analysis)
- Integrated **MySQL**, Airflow, Hive and Kafka for scalable data management

Customer Data Stratification | *NumPy, Matplotlib, TensorFlow*

Sep 2023-Nov 2023

- Led a team in creating RFM-based customer profiles, forecasting a 4% rise in engagement and \$70,000 revenue
- Implemented a **natural language processing**(NLP) model, predicting customer behavior with 96% accuracy, resulting in a 13% sales uplift and facilitating data-driven decision-making

EDUCATION

Northeastern University | *Boston, MA*

May 2025

Candidate for M.S in Data Analytics Engineering

GPA 3.85

Focusing: Data Management, Data Warehousing and Data Mining in Analytics, Computation and Visualizations

Visvesvaraya Technological University | *Bangalore, India*

Jul 2021

B.E in Electronics and Communication Engineering

Focusing: Data Structures in C and JAVA, Linear Algebra, Information Theory and Algorithms

SKILLS

Languages

: Python, SQL, R, JAVA, C, C++, Script, BigQuery, MATLAB

Database Management Tools

: Hadoop, PostgreSQL, MySQL, Oracle SQL Developer, MongoDB, NoSQL

ETL/ Workflow Tools

: Spark, Azure, Kafka, Airflow, JIRA, Jenkins, ControlM

Development Tools

: AWS, Snowflake, GitHub, Google Cloud Platform (GCP), Agile

Analytical Tools

: Tableau, PowerBI, SAS, Jupyter, Netezza, DBeaver, MS Excel